

Claims

No claims are being amended or canceled. Claims 57-63 are being added. All pending claims are reproduced below, along with an indication of their status.

1. (Previously Presented) An air transporter-conditioner device comprising:

a housing having an air inlet with air inlet louvers and an air outlet with air outlet louvers,

wherein said air inlet and said air outlet are configured such that

a user looking into said housing between said air inlet louvers can see through

said housing and out of said air outlet, and

a user looking into said housing between said air outlet louvers can see through

said housing and out of said air inlet;

an ion generator positioned in said housing, and said ion generator can create an airflow
from the air inlet to the air outlet; and

a germicidal device located in the housing such that a user looking into said housing
between said air inlet louvers or said air outlet louvers can not see said germicidal device, which
germicidal device can emit radiation in order to reduce the amount of microorganisms in the air
passing through the housing.
2. (Previously Presented) The device of claim 1 wherein:

said air outlet louvers are of sufficient depth so that no radiation emitted directly from the
germicidal device can exit said air outlet.
3. (Previously Presented) The device of claim 1 wherein:

said air outlet louvers are of sufficient depth so that no radiation emitted directly from the germicidal device can exit said air outlet.

4. (Original) The device of claim 1 wherein:

said air outlet louvers are elongated;

said ion generator has at least one elongated electrode; and

said air outlet louvers and said at least one elongated electrode are elongated in substantially the same direction.

5. (Previously Presented) The device of claim 4 wherein:

said air inlet louvers are elongated in substantially the same direction as said air outlet louvers and said at least one elongated electrode.

6. (Previously Presented) A stand-alone air transporter-conditioner device comprising:

a housing having an air inlet with air inlet louvers and an air outlet with air outlet louvers, wherein said air inlet louvers and air outlet louvers are planer so as to not significantly impede air entering and exiting said air inlet and said air outlet;

an ion generator positioned in said housing, and said ion generator, when energized, can create an airflow from the air inlet to the air outlet, said ion generator having at least one elongated electrode;

a germicidal device located in the housing such a that user looking into said housing between said air inlet louvers or said air outlet louvers can not see said germicidal device, which

germicidal device can emit radiation in order to reduce the amount of microorganisms in the air passing through the housing; and

wherein said air outlet louvers, and said at least one electrode, are all elongated in substantially the same direction.

7. (Original) The device of claim 6 wherein said germicidal device is elongated in the same direction as said at least an electrode and said air outlet louver.

8. (Previously Presented) The device of claim 6 wherein:
said air inlet louvers are elongated in substantially the same direction as said air outlet louvers, and said at least one electrode.

9. (Previously Presented) The device of claim 6 wherein:
said air inlet louvers are of sufficient width in the direction of airflow so that no radiation emitted directly from said germicidal device can exit said air inlet.

10. (Previously Presented) The device of claim 6 wherein:
said air outlet louvers are of sufficient width in the direction of airflow so that no radiation emitted directly from the germicidal device can exit said air outlet.

11. (Previously Presented) The device of claim 6 wherein:
said one electrode is planar; and
said planar outlet louvers are located adjacent to the one electrode; and

said planar electrode is substantially parallel to said planar outlet louvers.

12. (Previously Presented) The device of claim 11 wherein:

said planar inlet louvers are substantially parallel to the planar outlet louvers.

13. (Original) The device of claim 6 wherein:

said germicidal device is a germicidal lamp that emits radiation.

14. (Original) The device of claim 6 wherein:

said germicidal device directs radiation across a direction of airflow from the air inlet to the air outlet.

15. (Original) The device of claim 1 wherein:

said germicidal device is located in a germicidal device housing that directs radiation away from the air inlet and the air outlet.

16. (Original) The device of claim 1 wherein:

said germicidal device is located in a germicidal device housing that directs radiation across a direction of airflow from the air inlet to the air outlet.

17. (Original) The device of claim 6 wherein:

said germicidal device is located in a germicidal device housing that includes louvers that direct radiation away from the air inlet and the air outlet.

18. (Original) The device of claim 6 wherein:

said germicidal device is located in a germicidal device housing that includes louvers that direct radiation across a direction of airflow from the air inlet to the air outlet.

19. (Original) The device of claim 6 wherein:

said germicidal device is positioned in said housing so that any radiation from the germicidal lamp does not directly exit the housing thorough the air inlet and the air outlet.

20. (Original) The device of claim 6 wherein:

said germicidal device is positioned in said housing so that any radiation from the germicidal lamp does not exit the housing without first bounding off a surface located in the housing so as to change the wavelength of the radiation.

21. (Previously Presented) An air transporter and conditioner device comprising:

an upstanding housing having an air inlet and an air outlet configured such that

a user looking into said air inlet can see through said housing and out of said air outlet, and

a user looking into said air outlet can see through said housing and out of said air inlet;

an ion generator positioned in said housing, and said ion generator creating an airflow from the air inlet to the air outlet; and

a germicidal device located in said housing such that no radiation emitted directly from said germicidal device can exit said air outlet or said air inlet.

22. (Original) The device of claim 21 wherein:

said ion generator including a particle collector electrode which extends in the direction along the upstanding housing.

23. (Previously Presented) The device of claim 21 wherein:

said air outlet having a plurality of upstanding outlet louvers which extend in a direction along said upstanding housing; and

said ion generator including a particle collector electrode which extends in the direction along the upstanding housing, and said particle collector electrode is substantially parallel to the upstanding outlet louvers.

24. (Original) The device of claim 21 wherein:

said ion generator includes an emitter electrode and a collector electrode, and wherein said emitter electrode is located more adjacent to the air inlet than the collector electrode, and the collector electrode is located adjacent to the air outlet.

25. (Original) The device of claim 21 wherein:

said ion generator includes an emitter electrode and a collector electrode, and wherein said emitter electrode is located adjacent to the air inlet and the collector electrode is located adjacent to the air outlet;

wherein said air inlet includes a plurality of upstanding inlet louvers which extend in a direction along the upstanding housing; and

said emitter electrode extends in the direction along the upstanding housing; and

said collector electrode extends in the direction along the upstanding housing.

26. (Previously Presented) The device of claim 21 wherein:

said germicidal device comprises a germicidal lamp positioned in said housing.

27. (Canceled)

28. (Previously Presented) The device of claim 26 wherein:

said germicidal lamp extends in a direction along said upstanding housing.

29. (Previously Presented) The device of claim 26 wherein:

said germicidal lamp is removable from said housing; and

said air inlet includes a removable air inlet panel which can be removed in order to remove said removable germicidal lamp.

30. (Previously Presented) The device of claim 26 wherein:

said germicidal lamp is removable from said housing; and

said air inlet includes a removable air inlet panel which can be removed in order to remove said removable germicidal lamp, and wherein said air inlet panel includes a plurality of upstanding louvers which extend along the direction of said upstanding housing.

31. (Previously Presented) The device of claim 26 wherein:
said germicidal lamp positioned in said housing is removable from said housing; and
said air inlet includes a removable air inlet panel which can be removed in order to
remove said removable germicidal lamp;
said housing includes a base and a top and a side located between said base and said top;
and
said removable air inlet panel is located in the side of said housing.
32. (Original) The device of claim 1 wherein:
said upstanding housing is one of cylindrical, elliptical, egg-shaped, and oval.
33. (Previously Presented) An air transporter and conditioner device comprising:
a vertical elongated housing having an air inlet and an air outlet configured such that
a user looking into said air inlet can see through said housing and out of said air
outlet, and
a user looking into air outlet can see through said housing and out of said air inlet;
at least said air outlet having a plurality of planer vertical elongated outlet louvers; and
an ion generator positioned in said housing, and said ion generator creating an airflow
from the air inlet and the air outlet; and
said ion generator including a vertical elongated particle collector electrode.
34. (Original) The device of claim 33 wherein:

said ion generator includes an emitter electrode, and wherein said emitter electrode is located adjacent to the air inlet and the collector electrode is located adjacent to the air outlet.

35. (Original) The device of claim 33 wherein:

said air inlet includes a plurality of vertical inlet louvers.

36. (Original) The device of claim 33 further including:

a germicidal lamp positioned in said housing.

37. (Original) The device of claim 33 further including:

a means for destroying germs positioned in said housing.

38. (Original) The device of claim 33 wherein:

said upstanding housing is one of cylindrical, elliptical, egg-shaped, and oval.

39. (Previously Presented) The device of claim 1, wherein a germicidal device housing located within said housing prevents a user looking into said housing between said air inlet louvers or said air outlet louvers from seeing said germicidal device.

40. (Previously Presented) The device of claim 39, wherein said germicidal device housing comprises a single wall that substantially surrounds said germicidal device.

41. (Previously Presented) The device of claim 39, wherein said germicidal device housing comprises:

a first wall located between said germicidal device and said air inlet; and

a second wall located between said germicidal device and said air outlet.

42. (Previously Presented) The device of claim 6, wherein a germicidal device housing located within said housing prevents a user looking into said housing between said air inlet louvers or said air outlet louvers from seeing said germicidal device.

43. (Previously Presented) The device of claim 42, wherein said germicidal device housing comprises a single wall that substantially surrounds said germicidal device.

44. (Previously Presented) The device of claim 42, wherein said germicidal device housing comprises:

a first wall located between said germicidal device and said air inlet; and

a second wall located between said germicidal device and said air outlet.

45. (Previously Presented) The device of claim 21, wherein a germicidal device housing located within said housing prevents a user looking into said housing through said air inlet or said air outlet from seeing said germicidal device.

46. (Previously Presented) The device of claim 45, wherein said germicidal device housing comprises a single wall that substantially surrounds said germicidal device.

47. (Previously Presented) The device of claim 45, wherein said germicidal device housing comprises:

a first wall located between said germicidal device and said air inlet; and

a second wall located between said germicidal device and said air outlet.

48. (Previously Presented) An air conditioner device comprising:

an upstanding housing having an air inlet and an air outlet configured such that

a user looking into said air inlet can see through said housing and out of said air outlet, and

a user looking into said air outlet can see through said housing and out of said air inlet;

an ion generator positioned in said housing, said ion generator including an emitter electrode, a collector electrode and a high voltage generator to provide a high voltage potential difference between said emitter electrode and said collector electrode; and

a germicidal lamp located in said housing such that no radiation emitted directly from said germicidal lamp can exit said air outlet or said air inlet.

49. (Previously Presented) The device of claim 48 wherein said air inlet has air inlet louvers and said air outlet has air outlet louvers, wherein said air inlet louvers and air outlet louvers are planer so as to not significantly impede air entering and exiting said air inlet and said air outlet.

50. (Previously Presented) The device of claim 49 wherein a germicidal lamp housing located within said housing prevents a user looking into said housing between said air inlet louvers or said air outlet louvers from seeing said germicidal lamp.

51. (Previously Presented) The device of claim 50 wherein said germicidal lamp housing comprises a single wall that substantially surrounds said germicidal lamp.

52. (Previously Presented) The device of claim 50, wherein said germicidal lamp housing comprises:

- a first wall located between said germicidal lamp and said air inlet; and
- a second wall located between said germicidal lamp and said air outlet.

53. (Previously Presented) The device of claim 50 wherein:

said planer air inlet louvers are of sufficient depth so that no radiation emitted directly from the germicidal lamp can exit said air inlet.

54. (Previously Presented) The device of claim 53 wherein:

said planer air outlet louvers are of sufficient depth so that no radiation emitted directly from the germicidal lamp can exit said air outlet.

55. (Previously Presented) An air conditioner device comprising:

a freestanding portable housing having an air inlet with air inlet louvers and an air outlet with air outlet louvers, wherein said air inlet and said air outlet are configured such that

a user looking into said housing between said air inlet louvers can see past said outlet louvers and into said housing, and

a user looking into said housing between said air outlet louvers can see past said outlet louvers and into said housing;

an ion generator positioned in said housing, said ion generation including a emitter electrode, a collector electrode, and a high voltage generator to produce a high voltage potential difference between said emitter electrode and said collector electrode; and

a germicidal lamp to irradiate air flowing between said air inlet and said air outlet, wherein said germicidal lamp is located in said housing such that a user looking into said housing between said air inlet louvers or said air outlet louvers can not see said germicidal lamp.

56. (Previously Presented) An air conditioner device comprising:

a freestanding portable housing having an air inlet with air inlet louvers and an air outlet with air outlet louvers;

an ion generator positioned in said housing, said ion generation including a emitter electrode, a collector electrode, and a high voltage generator to produce a high voltage potential difference between said emitter electrode and said collector electrode; and

a germicidal lamp to irradiate air flowing between said air inlet and said air outlet;

wherein said air outlet is configured such that a user looking into said housing between said air outlet louvers can see at least one of said emitter and collector electrodes; and

wherein said germicidal lamp is located in said housing such that a user looking into said housing between said air inlet louvers or said air outlet louvers can not see said germicidal lamp.

57. (New): An air conditioner device comprising:

an upstanding housing having a first side and a second side generally opposite said first side, said first side including a first vent, said second side including a second vent, wherein said first and second vents are configured such that

a user looking into said first vent can see through said housing and out of said second vent, and

a user looking into said second vent can see through said housing and out of said first vent;

an ion generator positioned in said housing, said ion generator including an emitter electrode, a collector electrode and a high voltage generator to provide a high voltage potential difference between said emitter electrode and said collector electrode; and

a germicidal lamp located in said housing such that no radiation emitted directly from said germicidal lamp can exit said first vent or said second vent.

58. (New): An air conditioner device comprising:

a freestanding portable housing having a first side and a second side generally opposite said first side, said first side including a first vent with first louvers, said second side including a second vent with second louvers, wherein said first and second vents are configured such that

a user looking into said housing between said first louvers can see past said first louvers and into said housing, and

a user looking into said housing between said second louvers can see past said second louvers and into said housing;

an ion generator positioned in said housing, said ion generation including an emitter electrode, a collector electrode, and a high voltage generator to produce a high voltage potential difference between said emitter electrode and said collector electrode; and

a germicidal lamp located in said housing such that a user looking into said housing between said first louvers or said second louvers can not see said germicidal lamp.

59. (New): An air conditioner device comprising:

a freestanding portable housing having a first side and a second side generally opposite said first side, said first side including a first vent with first louvers, said second side including a second vent with second louvers;

an ion generator positioned in said housing, said ion generation including an emitter electrode, a collector electrode, and a high voltage generator to produce a high voltage potential difference between said emitter electrode and said collector electrode; and

a germicidal lamp;

wherein said first vent is configured such that a user looking into said housing between said first louvers can see at least one of said emitter and collector electrodes; and

wherein said germicidal lamp is located in said housing such that a user looking into said housing between said first louvers or said second louvers can not see said germicidal lamp.

60. (New): An air conditioner device comprising:

a freestanding portable housing having a first side including a first vent and a second side including a second vent, wherein said first and second vents are configured such that

a user looking into said first vent can see through said housing and out of said second vent, and

a user looking into said second vent can see through said housing and out of said first vent;

an ion generator positioned in said housing, said ion generator including an emitter electrode, a collector electrode and a high voltage generator to provide a high voltage potential difference between said emitter electrode and said collector electrode; and

a germicidal lamp located in said housing such that no radiation emitted directly from said germicidal lamp can exit said first vent.

61. (New): An air conditioner device comprising:

a freestanding portable housing having a vent that is configured such that a user through said vent can see past said vent and into said housing, and

an ion generator positioned in said housing, said ion generation including an emitter electrode, a collector electrode, and a high voltage generator to produce a high voltage potential difference between said emitter electrode and said collector electrode; and

a germicidal lamp located in said housing such that no radiation emitted directly from said germicidal lamp can exit said vent.

62. (New): An air conditioner device comprising:

a freestanding portable housing having a vent that is configured such that a user looking through said vent can see past said vent and into said housing, and

an ion generator positioned in said housing, said ion generation including a emitter electrode, a collector electrode, and a high voltage generator to produce a high voltage potential difference between said emitter electrode and said collector electrode; and

a germicidal lamp located in said housing such that a user looking into said housing through said vent can not see said germicidal lamp.

63. (New): An air conditioner device comprising:

a freestanding portable housing having a vent;

an ion generator positioned in said housing, said ion generation including an emitter electrode, a collector electrode, and a high voltage generator to produce a high voltage potential difference between said emitter electrode and said collector electrode; and

a germicidal lamp;

wherein said vent is configured such that a user looking into said housing through said vent can see at least one of said emitter and collector electrodes; and

wherein said germicidal lamp is located in said housing such that a user looking into said housing through said vent can not see said germicidal lamp.